



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

OCR-729/756

Applicants	John L. Wood, et al.
Serial No 09/482,235	Filing Date: January 13, 2000
Title	Glycosylated Indolocarbazole Synthesis

Office of Initial Patent Examinations Customer Service Center U.S. Patent Office Washington, DC 20231

Request for a Corrected Filing Receipt

Dear Sir or Madam:

The Continuing Data Claimed by Applicant on the filing receipt for the above-referenced application issued on March 16, 2000 was incorrect. It should read

This application is a divisional of 09/206,082 filed 12/04/1998 which was a CIP of 08/817,230 filed 06/04/1997 which was a 371 of PCT/IB96/00987 filed 08/09/1996 claiming benefit of 60/002,164 filed 08/11/95.

Please see corrections made on the attached receipt, as well as documentary evidence of the changes requested, including reference to parent case 09/206,082 on the utility transmittal, a copy of which is attached hereto; a copy of the filing receipt for the parent case, also attached; and a copy of the PCT cover sheet, also attached. The relevant dates and numbers are highlighted.

Thank you for your prompt attention to this request.

Respectfully submitted,

March 21, 2000

Mary M. Krinsky, Registration No. 32,423

Attorney for Applicants

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I hereby certify that this correspondence is today being deposited with the U.S. Postal Service as "First Class Mail" in an envelope addressed to the Office of Initial Patent Examinations, U.S. Patent Office, Washington, DC 20231.

March 21, 2000

Mark M. Krinsky



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Bib Data Sheet



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SERIAL NUMB 09/482,235		FILING DATE 01/13/2000 RULE _	C	C LASS 548	GRO	GROUP ART UNIT 1613		ATTORNEY DOCKET NO. OCR-729/756	
APPLICANTS John L. Wood, Hamden, CT; Brian M. Stoltz, New Haven, CT; Hans-Jurgen Dietrich, Krefeld-Gartenstadt, GERMANY; Derek A. Pflum, New Haven, CT; *** CONTINUING DATA **********************************									
** 03/16/2000 Foreign Priority claimed									
ADDRESS Mary M Krinsky 79 Trumbull Stree New Haven ,CT C TITLE Glycosylated indo	06511			_	-				
FILING FEE FEES: Authority has been given in Paper RECEIVED No to charge/credit DEPOSIT ACCOUNT			All Fees 1.16 Fees (Filing) 1.17 Fees (Processing Ext. of time) 1.18 Fees (Issue) Other Credit						



FILING RECEIPT





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APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
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79 Trumbull Street			161	MAD 2 0 ZUI	•		

New Haven, CT 06511-3708

Date Mailed: 03/16/2000

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the PTO processes the reply to the Notice, the PTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

John L. Wood, Hamden, CT; Brian M. Stoltz, New Haven, CT;

Hans-Jurgen Dietrich, Krefeld-Gartenstadt, GERMANY;

Derek A. Pflum, New Haven, CT;

divisional of 09/206,082 12/04/1998 Continuing Data as Claimed by Applicant

THIS APPLICATION IS ACIP OF 08/817,230 06/04/1997 ABN WHICH IS A 371 OF PCT/IB96/00987 199/08/19961 08/09/1996

ot 60/002, 164 08/11/95 claiming bene tit **Foreign Applications**

If Required, Foreign Filing License Granted 03/16/2000

** SMALL ENTITY **

Title

Glycosylated indolocarbazole synthesis

Preliminary Class

548

Data entry by : HARRISON, BRUCE

Team: OIPE

Date: 03/16/2000

PTO/SB/05 (4/98)

Approved for use through 09/30/2000. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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UTILITY
PATENT APPLICATION
TDANGMITTAL

OCR-729/756 Attorney Docket No. First Inventor or Application Identifier John Wood Glycosylated Indolocarbazole Synthesis

[RANSWILLAL] [Only for new nonprovisional applications under 37 C.F.R. § 1.53(b)) Exp	ress Mail Label No. EL308939123US						
APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.	Assistant Commissioner for Patents ADDRESS TO: Box Patent Application Washington, DC 20231						
See MPEP chapter 600 concerning utility patent application contents. **Y Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) **Specification [Total Pages 3] **Operation (preferred arrangement set forth below) **Descriptive title of the Invention **Cross References to Related Applications O P **Cross References to Related Applications O P **Statement Regarding Fed sponsored R & MAR 2 3 2 3 2 3 2 3 2 3 3 3 3 3 3 3 3 3 3	5. Microfiche Computer Program (Appendix) 6. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Copy b. Paper Copy (identical to computer copy) c. Statement verifying identity of above copies ACCOMPANYING APPLICATION PARTS Assignment Papers (cover sheet & document(s)) 8. 37 C.F.R.§3.73(b) Statement Power of (when there is an assignee) Attorney 9. English Translation Document (if applicable) 10. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations 11. Preliminary Amendment						
a. Newly executed (original or copy) b. X Copy from a prior application (37 C.F.R. § 1.63(d)) c) X Copy from a prior application (37 C.F.R. § 1.63(d)) c) X Copy from a prior application (37 C.F.R. § 1.63(d)) d) X Copy from a prior application (37 C.F.R. § 1.63(d)) i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b). NOTE FOR ITEMS 1 & 13: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPTIFF ONE FILED IN A PRIOR APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment: Ontinuation X Divisional Continuation-in-part (CIP) Prior application information: Examiner L. Stockton For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated							
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Signature Marx Minister.	Date Jan. 13, 2000						

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PTO-103X (Rev. 8-95)

FILING RECEIPT

CORRECTED



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MARY M. KRINSKY 88 PROSPECT STREET NEW HAVEN CT 06511-3797

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Applicant(s)

JOHN L. WOOD, HAMDEN, CT; BRIAN M. STOLTZ, CAMBRIDGE, MA.

CONTINUING DATA AS CLAIMED BY APPLICANT-THIS APPLN IS A CIP OF 08/817,230 06/04/97 PROVISIONAL APPLICATION NO. 60/002,164 08/11/95

FOREIGN APPLICATIONS-PCT PCT/IB96/00987 08/09/96

FOREIGN FILING LICENSE GRANTED 12/28/98 TITLE GLYCOSYLATED INDOLOCARBAZOLE SYNTHESIS

* SMALL ENTITY *

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(54) Title: GLYCOSYLATED INDOLOCARBAZOLE SYNTHESIS

(57) Abstract

Tertiary alcohols containing the structural features illustrated in 3 or 4 (Scheme I) are prepared by reacting at least one diazo carbonyl compound, (e.g., 1 in Scheme I) and at least one allylic alcohol (e.g., 2 in Scheme I) in a coupling reaction under conditions that produce carbene or carbenoid intermediates from the diazo-containing substrate such as transition metal catalysis or either thermal or photochemical decomposition. In some preferred embodiments, Rh₂(OAc)₄ is employed to catalyze the coupling reaction. In Scheme I R represents a substituent comprised of any number and combination of the elements H, C, N, S, Si, O,

Scheme I

Scheme II

Cl, Br, I, and F. Indolocarbazoles (e.g., 7 in Scheme II) are prepared by coupling of diazo carbonyl compounds (e.g., 5 Scheme II) and biindoles (e.g., 6 in Scheme II). Indolocarbazoles are furanosylated (e.g., 7 in Scheme II) with acetals (e.g., 8 in Scheme II) or their open chain congeners (e.g., 9 in Scheme II) under conditions known to promote acetal exchange or formation, such as protic or Lewis acids. Furanosylated indolocarbazoles (e.g., 10 in Scheme II) are also prepared via ring contraction of pyranosylated indolocarbazoles (e.g., 11 in Scheme II) under conditions know to effect oxidation and benzylic acid type rearrangements, and pyranosylated indolocarbazoles (e.g., 11 in Scheme II) are prepared via ring expansion of the furanosylated congeners (e.g., 10 in Scheme II).